

Claims:

- Sub 11
1. A system comprising:
a chassis arranged and configured to retain a plurality of mount apparatuses, the chassis including a power bus having a plurality of power plugs for providing electrical power; and
at least one mount apparatus mounted in the chassis, the mount apparatus including a power receptacle for receiving electrical power from one of the plurality of power plugs.
 2. The system of claim 1 wherein the power bus further includes a power intake for receiving electrical power.
 3. The system of claim 1 wherein the chassis further includes first and second cable guides.
 4. The system of claim 1 further comprising a jack assembly having electrical contacts that are electrically connected to the mount apparatus.
 5. The system of claim 4 wherein the chassis includes slots for retaining the jack assembly.
 6. The system of claim 1 wherein the mount apparatus includes:
a front cover having a plurality of receptacles;
a back cover having a plurality of through holes; and
a circuit board assembly sandwiched between the front cover and the back cover.
 7. The system of claim 6 wherein the circuit board assembly includes:
a board having a plurality of through holes aligned with the receptacles of the front cover and the through holes of the back cover;
a plurality of contacts retained in a first set of the through holes of the board of the circuit board assembly, a first end of each contact being extended towards and exposed in a corresponding receptacle of the front cover and stopped by the front cover, a second end of each contact being extended towards and projecting toward the back cover;

a plurality of pins retained in a second set of the through holes of the board of the circuit board assembly, a first end of each pin being extended towards and stopped by the front cover, a second end of each pin being extended towards and projected from a corresponding through hole of the back cover; and

a trace electrically connecting each contact to each corresponding pin.

8. The system of claim 1 wherein the mount apparatus includes a circuit board assembly having a plurality of electrical terminals.

9. The system of claim 1 wherein the electrical terminals are adapted for insertion into a through hole of a circuit board, the electrical terminal including:

a first section that receives an electrical contact, the first section including first and second spring arms proximate to each other at a contact point and configured to exert a first spring force to retain the electrical contact;

a second section adapted for insertion into the through hole of the circuit board, the second section including first and second pin members proximate to each other and defining first and second slots configured to exert a second spring force to retain the electrical terminal in the through hole of the circuit board, the second spring force being exerted in a direction perpendicular to the first spring force; and

a third section integral with the first and second sections.

10. A system comprising:

a chassis arranged and configured to retain a plurality of mount apparatuses, at least one mount apparatus mounted in the chassis, the mount apparatus including:

a front cover having a plurality of receptacles;

a back cover having a plurality of through holes; and

a circuit board assembly sandwiched between the front cover and the back cover.

11. The system of claim 10 wherein the circuit board assembly includes:

a board having a plurality of through holes aligned with the receptacles of the front cover and the through holes of the back cover;

a plurality of contacts retained in a first set of the through holes of the board of the circuit board assembly, a first end of each contact being extended towards and

exposed in a corresponding receptacle of the front cover and stopped by the front cover, a second end of each contact being extended towards and projecting toward the back cover;

a³ a plurality of pins retained in a second set of the through holes of the board of the circuit board assembly, a first end of each pin being extended towards and stopped by the front cover, a second end of each pin being extended towards and projected from a corresponding through hole of the back cover; and

a trace electrically connecting each contact to each corresponding pin.

12. The system of claim 11 wherein the chassis further includes first and second cable guides.

13. The system of claim 11 further comprising a jack assembly having electrical contacts that are electrically connected to the mount apparatus.

14. The system of claim 13 wherein the chassis includes slots for retaining the jack assembly.

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